Approved For Release 1999/09/01: CIA-RDP78-06815A000100120001-8

20 May 1972

PERFORMANCE DATA FOR

JOHNSON, MERCURY AND CHRYSLER

OUTBOARD MOTORS

40 THROUGH 100 H. P.

Chrysler	Mercury	Johnson	Johnson	Johnson	Manufacture	COMPARISON OF J
55 5	65	100	5 5	40	H. P.	OHNSON,
. 22	4	V-4	ယ	22	Number of Cylinders	MERCURY AND
140	255	265	197	156	Weight	CHRYSLER (
$3.187 \times 2.800$	$2.9375 \times 2.300$	$3.375 \times 2.50$	3.000 x 2.406	$3.1875 \times 2.750$	Bore X Stroke	COMPARISON OF JOHNSON, MERCURY AND CHRYSLER OUTBOARD MOTOR SPECIFICATIONS.
44.70	62.35	89.5	49.7	43.9	Displacement	SPECIFICATIONS
Electric	Electric	Electric	Electric	Electric	Starting	5,

| PERFORMANCE COMPARISON OF JOHNSON, MERCURY AND CHRYSLER OUTBOARD MOTORS AT VARIOUS | PERFORMANCE COMPARISON | NO LOAD COMPARISON | Prop | Pin | Prop | Position | Prop | Pos Approved For Release 1999/09/01: Twin Twin Single 100 Twin Twin Twin 55 Twin 65 . 55 40 H. ე ე 40 H.P. H.P. 1:1 口 Ħ Ħ 'n H h 7 <u>'</u> Johnson Johnson Chrysler Johnson Chrysler Mercury Johnson  $13 \times 19$ 10-3/8 $10-3/8 \times 13-1/2$ 10-3/8 x 12-1/2  $12-1/2 \times 15$  $12-1/2 \times$ 13 x 19 10-3/8 x× 18 14 14 500 POUND ADDED LOAD COMPARISON 000 POUND ADDED LOAD COMPARISON ယ 2 4 4 ယ ယ ယ 2 26.67 26.09 22.36 29.51 25.18 16.22 21.82 19.05 31.58 29.03 22.50 31.86 29.51 30.77 29.27 19.05 105.5 91.0 85. 2 89.3 68.8 57.6 75.5 79.

Twin 55 H. P.

Johnson

Single 100 H.

b

Johnson

 $12-1/2 \times 16$ 

 $12-1/2 \times$ 

Twin 65 H.

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Mercury

Twin 55

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Chrysler

 $10-3/8 \times 11-1/2$ 

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24.32

28.35

77.8

2

4

20.0

26.67 29.51

56.4

42.

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76.

64.3

46.25

79.

67.8

67.1

47.4

90.0

48.1

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22.36

Throttle

76.

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1,500 POUND ADDED LOAD COMPARISON Range At Speed At Full Economy Economy Full Pin ··· Prop Model Throttle Cruise Throttle Cruise Position Size 74.0 74.0 17.91 17.91 4  $10-3/8 \times 14$ Twin 40 H.P. Johnson \* 44.6 51.9 20.34 27.91 2 13 x 19 Twin 55 H.P. Johnson 61.8 59.6 27.27 25.71  $12-1/2 \times 16$ 3 Single 100 H.P. Johnson 42.0 24.49 53.60 4 18.56  $12-1/2 \times 15$ Twin 65 H.P. Mercury 71.0 58.8 22.5 25.7  $10-3/8 \times 11-1/2$ Twin 55 H.P. Chrysler

Maximum Load Boston Whaler was able to carry with Twin 40 H.P. Johnson's installed was 1200 lbs. Therefore, above results are based on the 1,200 lb. payload carrying capability.

2 000 POUND ADDED LOAD COMPARISON

	2,000 1 0 0	110 110000				
Twin 55 H. P. Johnson	13-1/4 x 17	2	21.18	26. 47	45.2	40.6
Single 100 H. P. Johnson	13 x 14	3	22.22	25.35	57.1	51.8
Twin 55 H. P. Chrysler	10-3/8 x 11-1/2	3	23.84	23.84	57.5	57.5

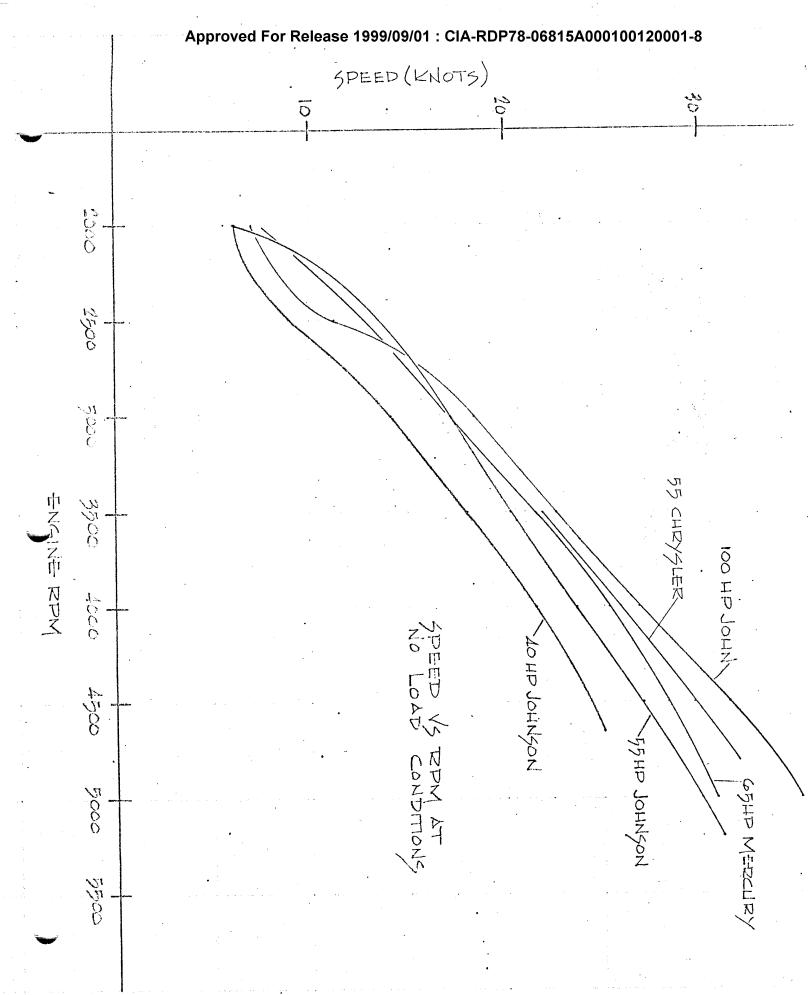
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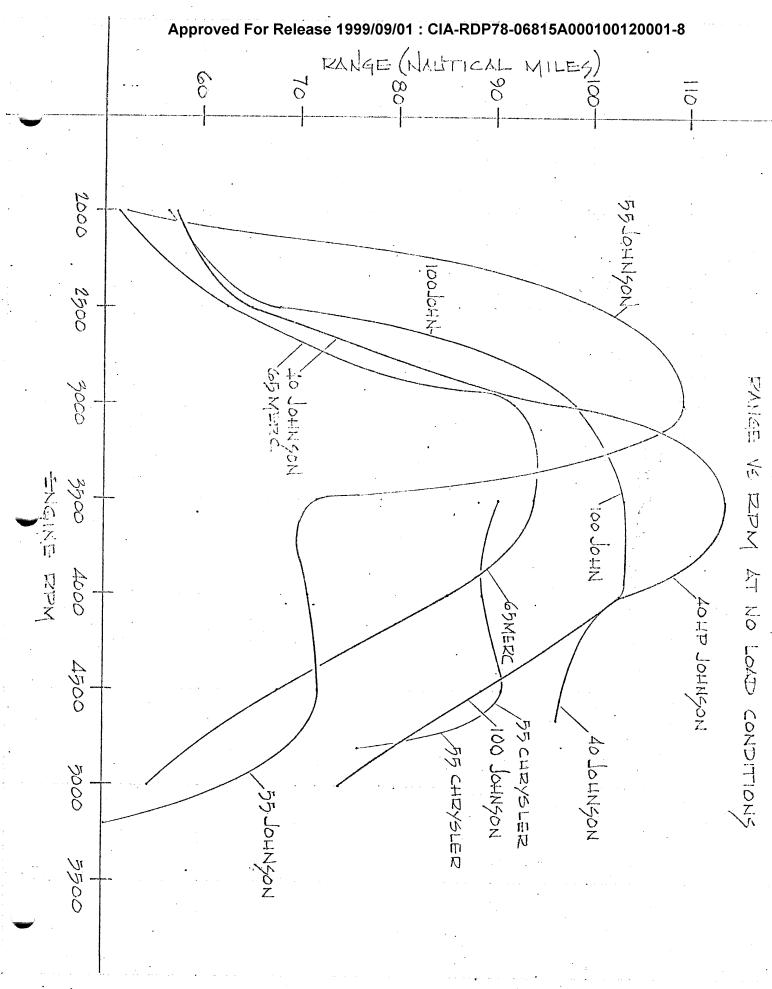
SUMMARY OF RESULTS

ACOUSTIC EVALUATION.

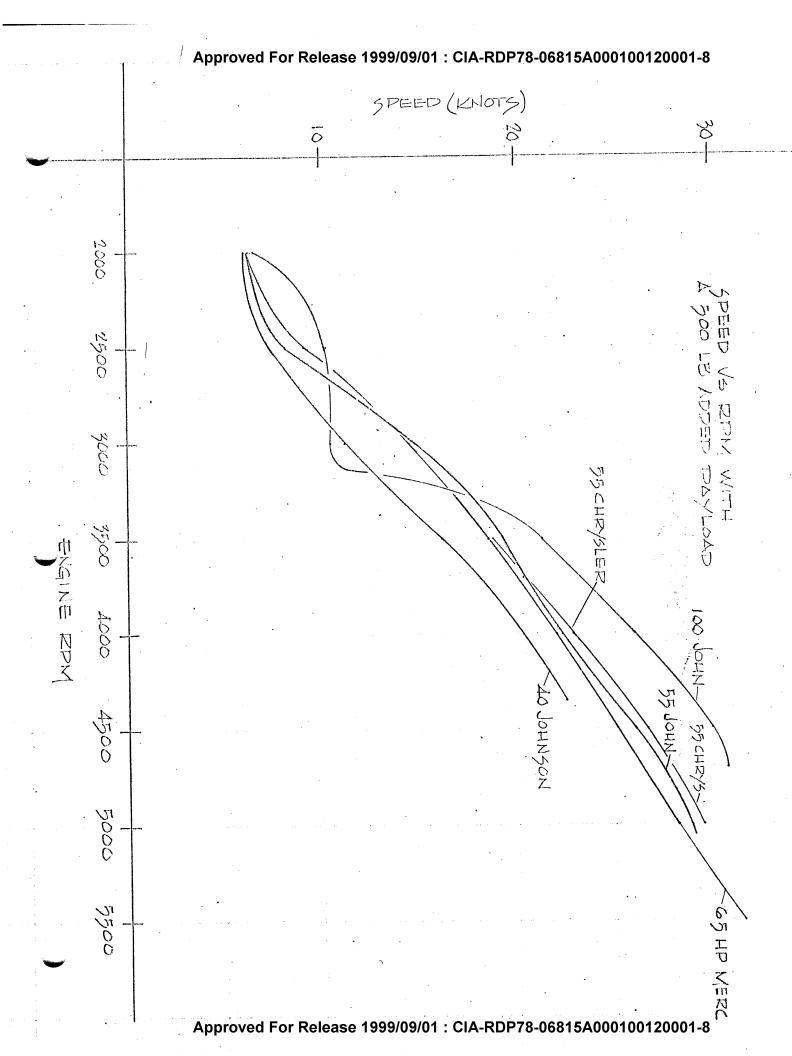
								מ מ	ל א		
			2,000 RPM	RPM				S, SUU KEM	F.IVI		
Noise Band	Merc	Merc	55 hp	40 hp	55 hp	Merc	၀	55 Hp	40 hp	55 hp	
+40+50 +08+44	500	650	John	John	Chrys	500	650	John	John	Chrys	
All Dagg	8 6	92	& &	84	95	92	95	93	90	94	
AII Labo	700	75	7/	73	76	73	83 33	73	75	75	
ST. D	ć	10	H	1							
63	81	94	81	82	96	87	93	86	89	85	
125	83	84	83	79	84	91	90	90	85	94	•
250	77	79	80	77	77	82	85	83	80	83	
500	71	73	69	71	70	73	77	76	74	76	
1000	68 8	71	72	66	70	73	79	78	73	75	
2000	65	70	73	60	66	71	78	80 .	68	72	
4000	61	67	67	56	60	68	75	74	64	68	
0008	π 4	59	7 4	52	54	60	70	66	58	61	
16000	45	49	44	84	45	49	55	52	46	50	
			-								

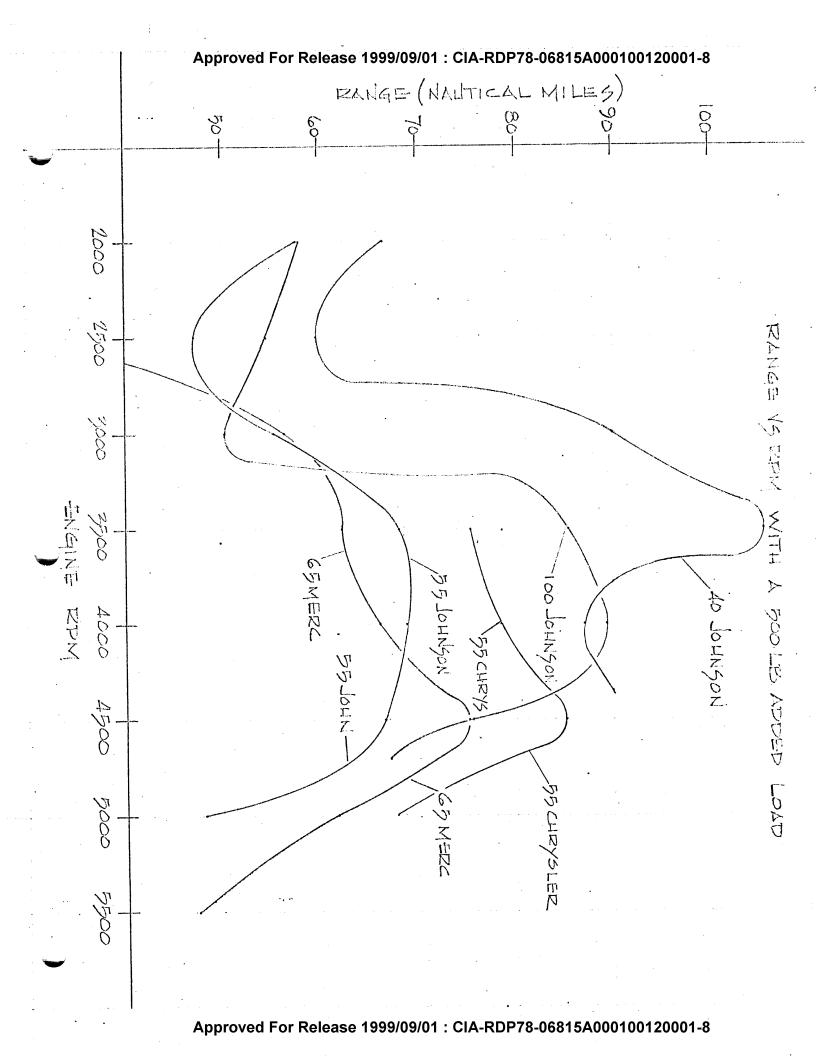
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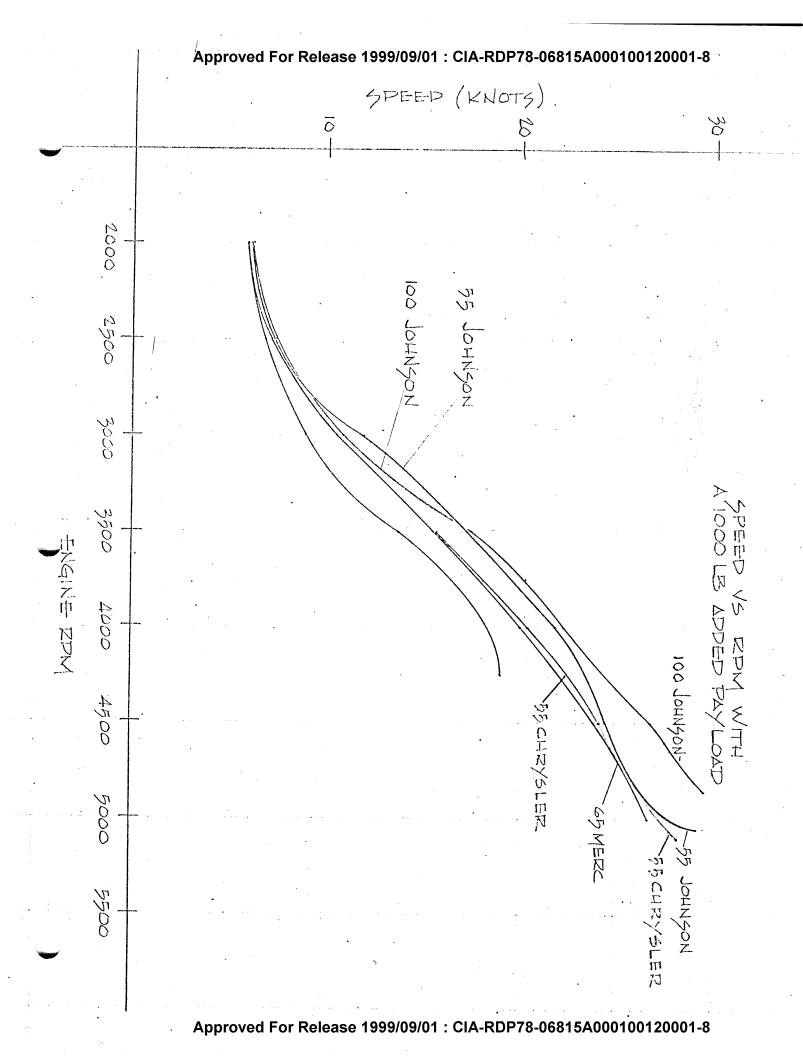


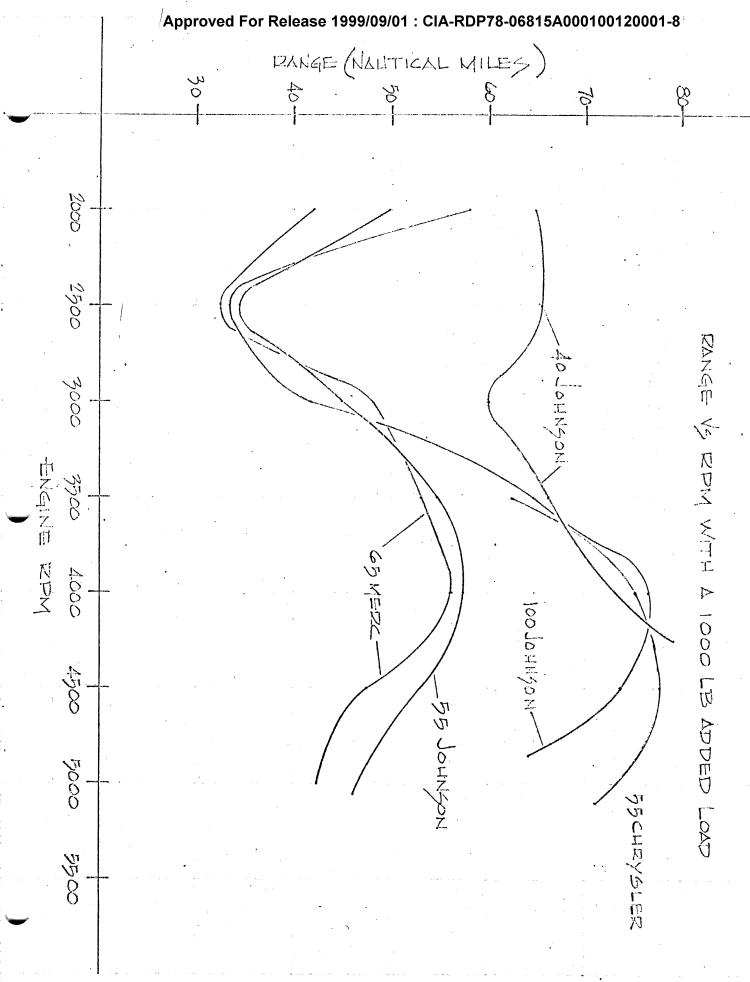


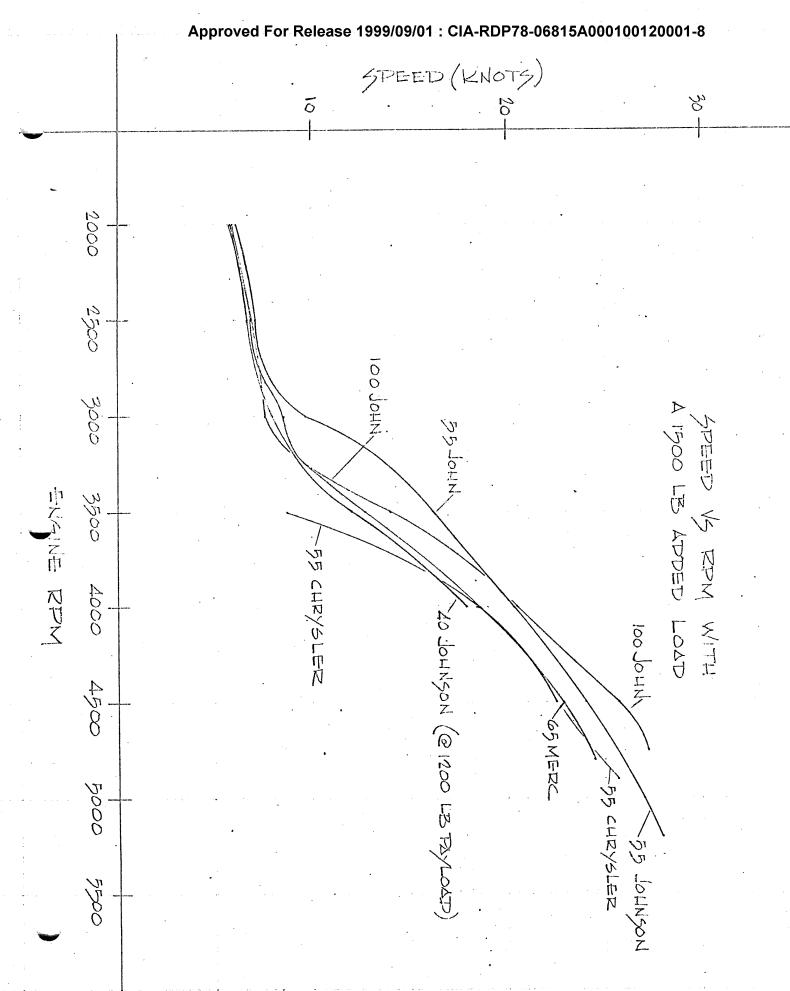
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